

Fig. 1

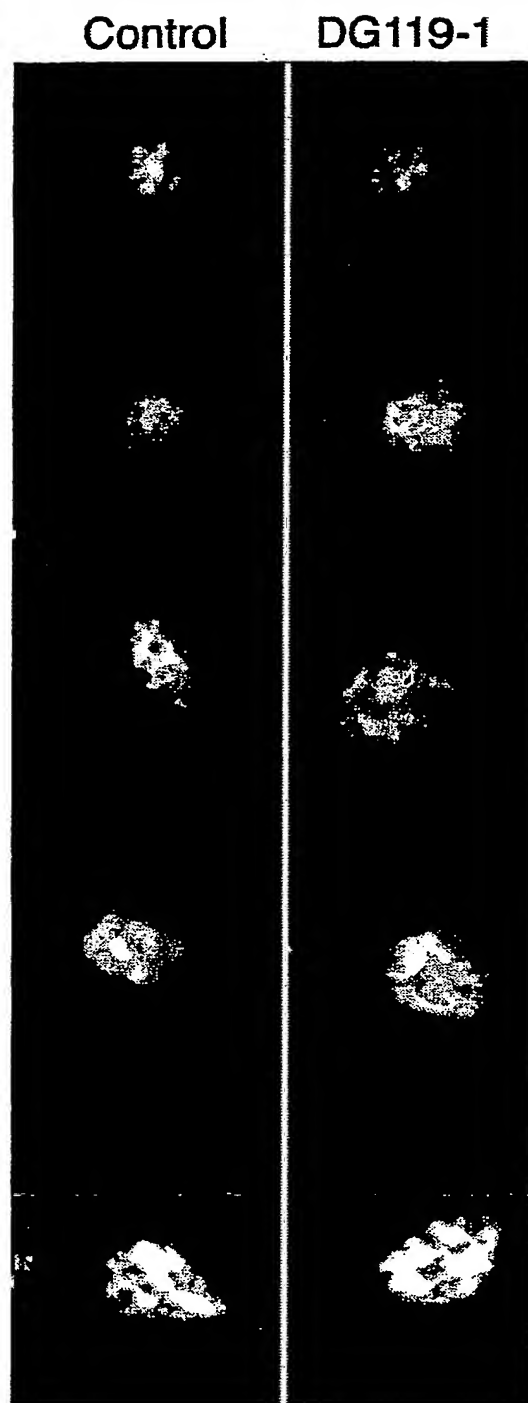


Fig. 2

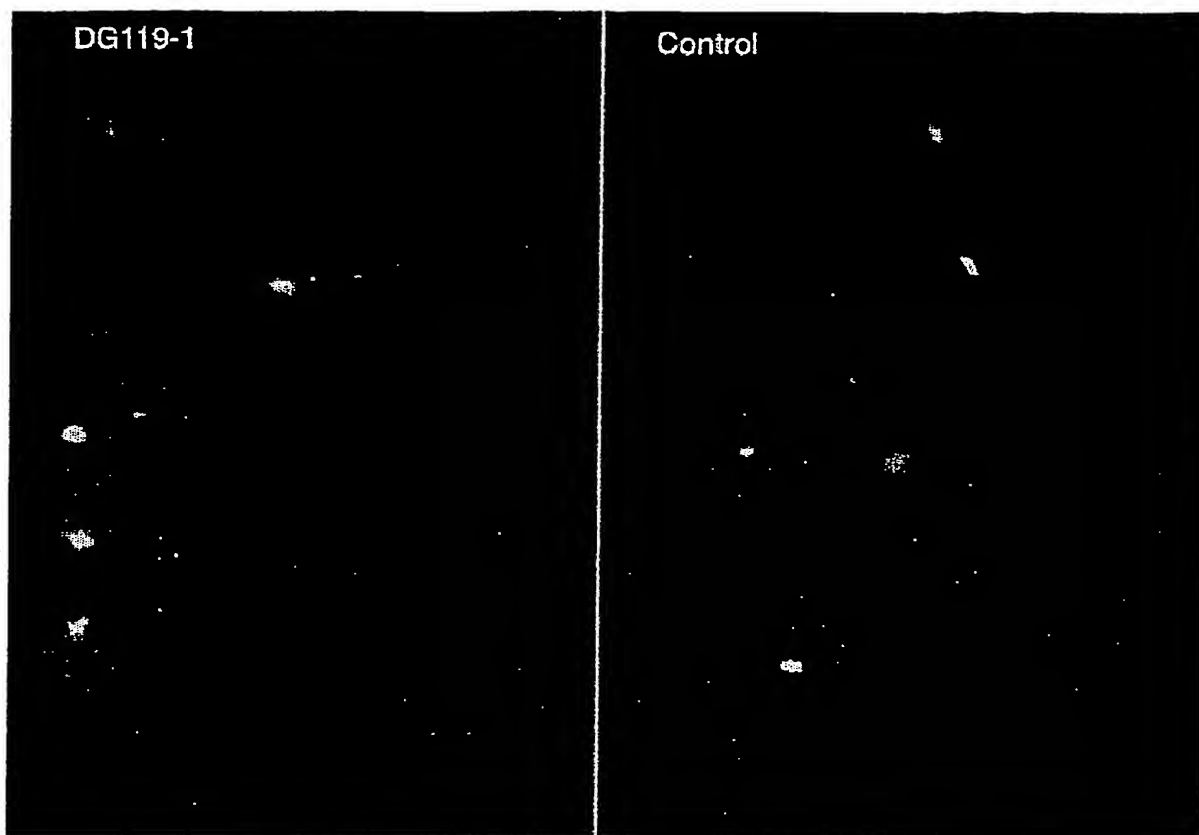


Fig. 3

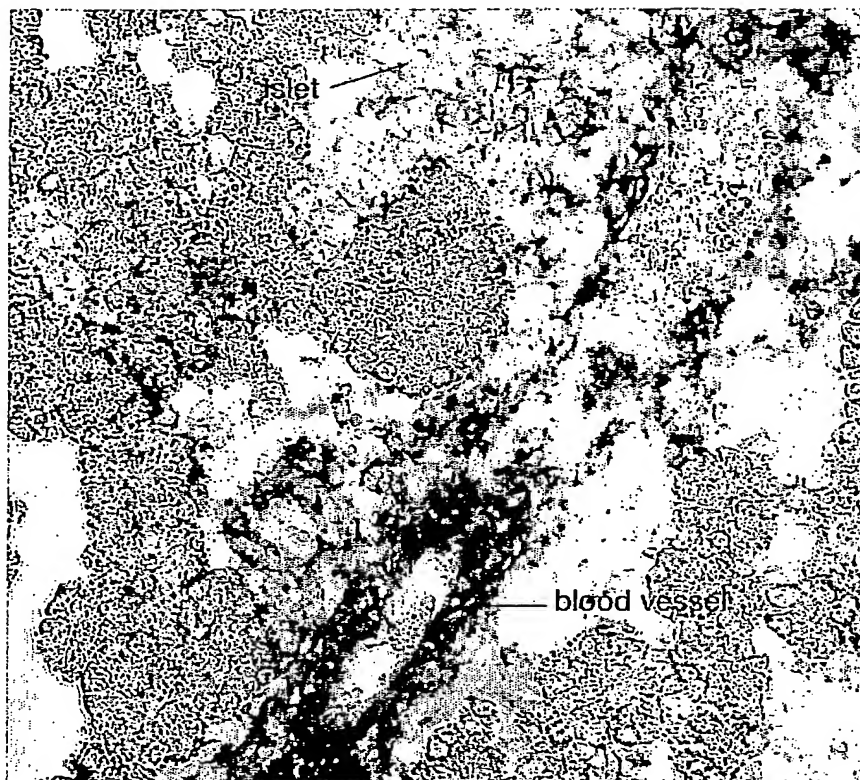


Fig. 4A

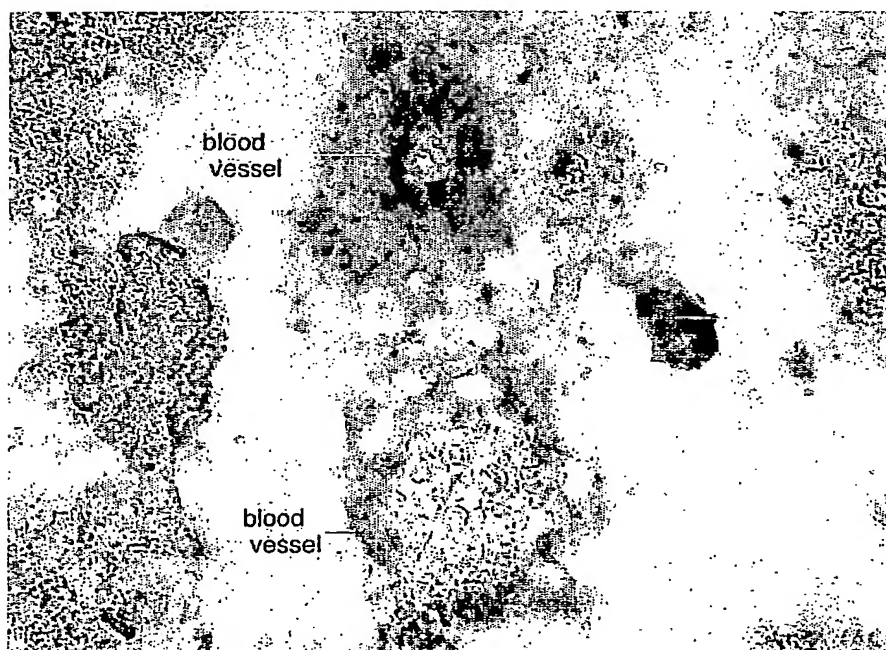


Fig. 4B

5/19

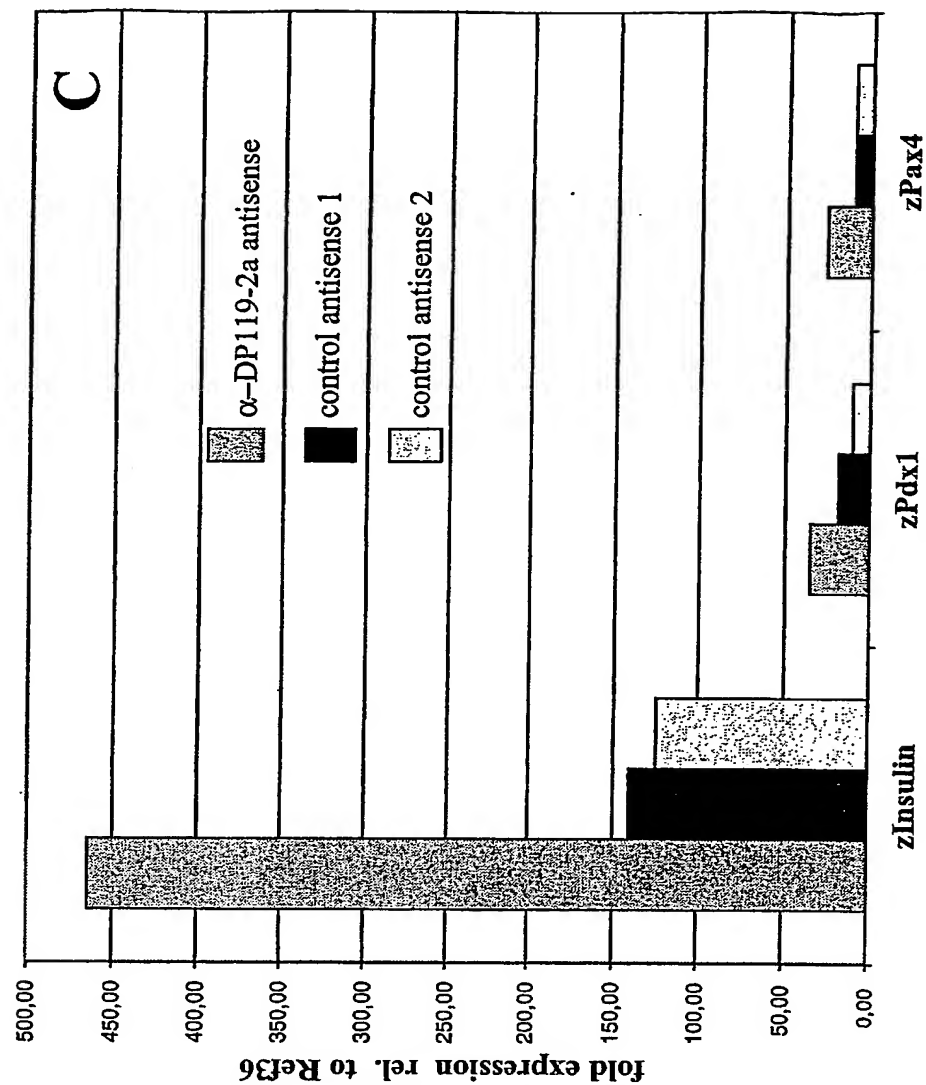
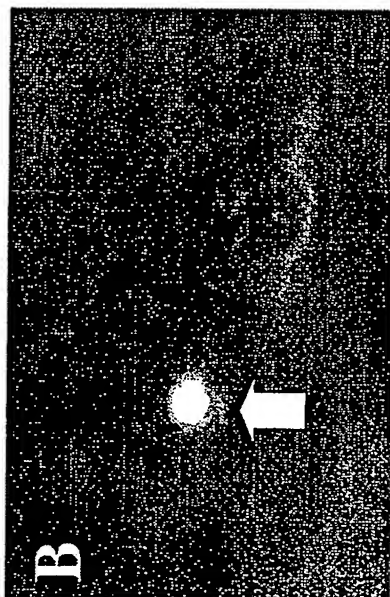
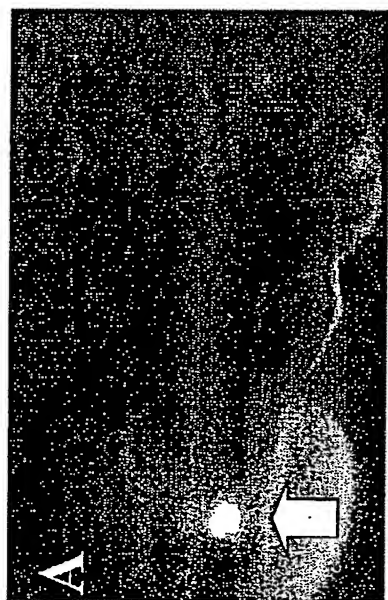


Fig. 5



6/19

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1 MTEMKIWCVL LMAFALTSAA PKSHLRLEEK TKDNNDTLQV EIDNQEHLIS QLLGDYDKVK
61 ALSEGSDCGC KCVVRPLSAS ACQRIREGHA TPQDFYTVET ITSGPHCKCA CIAPPSALNP
121 CEGDFRLKKL RQAGKDNIKL STILELLEGS FYGMDLLKLH SVTTKILDRM DTIEKMVLNN
181 QTEEKLNTIS TSPNPQLSTS SPTTLPSTVIQ EKSTSLRQON DEAAAFQOME SKYEKFKVGD
241 ILNSGSDLNK ATTALQEQEQ QGRKKQPKIT VRGITYYRSD PVDSEMDSEKN LKETSSASSVT
301 QTGALIKEHL KASTQSTLNT LTPSPTSHSN ALTVTESSVG INAHKGEVTT IVMTASVTGS
361 KTDSVTDLTQ LSPRVRETLT TTRTTTKTAT TSQPVKRKYS ISWDEEEEA VPEQVEEKA
421 VKPVVEDKVG EEPQRKPGTA HHQAKTISTV KQQIKFSLGM CKDTLATISE PITHNTYGRN
481 EGAWMKDPLD QDDKIYVINY YYGNNLLEFR NIDVFKQGRF TNSYKLPYNW IGTGHVVYKG
541 AFYYNRAFSR DIIKFDLRLR YVAAWTMLHD AVFENDDVSS WRWRGNSDMD LAIDESGLWV
601 IYPALDDEGF LQEVIVLSRL NPTDLMSKRE TTWRTGLRRN RYGNCFIVCG VLYATDSYNQ
661 QDTNLSYAFD THTNTQVIPH LPFSNNYTYV TQIDYNPKER VLYAWDNHGHQ VTYNVQFAY

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Fig. 6A

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1 MGLLLYIFCC VFCLTRANVE QQATDNTDNR ATLEDEMDNQ ENILTQLIGD YDKVKTLSEG
61 SDCQCKCVVR PMSRSACKRI EEAQAKIEDF YTVEPVTAGP NCKKACIAP PSALNPCEGD
121 FRFKKLQKTG QYDIKLSNIM DLLEERVDNI EKGEKGQKG ARSNQRQEK KRLSVVCWSL
181 HCRRTQQRLL LTLRYRCKSV LEPSLQKNAA AAFATEVQM QQFIPDQRKY EEKFGVGNQGP
241 SKPVLKSKS EGQEEQHKPA KTKADAKNMS LRSMTFYKAN RMEDSEGEER DLII EDQLHK
301 QGLNTPVTTT EATVTVTQST TINLNTQNFT TARMSNVTKQ TQGSVKAMM SSTITTERPT
361 MPTSTTSTST MTPGTNTTTI ATPLVVPKQL ASVTVGQVSN SYKLPYNWIG TGHVVYSGSF
421 FYNRAFSRDI IRFDLRLRYV AAWTTLHDAI LEEEEEAPWTW GGHSDIDFSV DESGLWLVYP
481 ALDDEGFHQE VIILSKLRAS DLQKEKSWRT GLRRNYYGNC FVICGVLYAV DSFERTHANI
541 SYAFDTHHT QMIPRLPFIN NYTYTTQIDY NPKERMLYAW DNHGHQVTYDV IFAY

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Fig. 6B

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1 MWRIVELVAC LLMMSSHVSS QSKIFGEEQV RMTSEGSDCR CKCIMRPLTR DACARLRTGS
61 VRVEDFYTVE TVSSGADCKC SCTAPPSSLN PCENEWKREK LKKQAPELLK LQSMVDLLEG
121 TLFSDMLLKV HSYINKVVSQ MNNLEE

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Fig. 6C

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1 MWIYASVLTY LLLLTRDARS LSKIFGEPEP VKMISEGSDC RCKCVMRPLS IEACSRLRDG
61 SLRVDDFYTV ETVSSGSDCK CSCTAPPSSL NPCENEWRT KLXKQAPELL KLHSMVDLLE
121 GTLYSMDLMK VHAYMNKVVS QMNTLEEVMT IKTNLTRENE FVRDSVNLN NQKRYENYS
181 DIMVSIKKEI SSLGLQLLQK DAASDSKAQV GTESKKSKEA IKPPNKKPPA VKPPPKQPKKE
241 KPVKPKKEAP AKAAPKAPD PTTKTTSVH QTGVIRGITY YKASKSE

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Fig. 6D

			10	20	30	40	50	60
-----	-----	-----	-----	-----	-----	-----	-----	-----
DG119-1	Mm		-----MAYPLPLVLCFALVVAQVWGSTTPTGTSEPPDVQIVTEPTEDDILQNEADNQEN					
DG119-1	Hs		-----MAKPRLLVLVYFALIVVPAWVSITLTGTSEPPDAQTVAPAEDETLOQNEADNQEN					
DG119-1a	Dr		-----MTEMKIKWCVLMLAFALTSAAPKS-----HLRLEKTKDNNDTLQVEIDNQEH					
DG119-1b	Dr		-----MGLLLYIFCCVFCFCLTRAN-----VEQQATDNTDNRRATLEDEMDNQEN					
DG119-2a	Dr		-----MWRIVELVACLMMSS-----HVS					
DG119-2b	Dr		-----MWIYASVLTYLLLLTR-----DAR					
DG119-2	Mm		MEAAAVLPRYLQLRLLLVLLLVLLRAG-----PFW					
DG119-2	Hs		-----MAAALPPRPLLPLVLLVLLSGR-----PTR					
			70	80	90	100	110	120
-----	-----	-----	-----	-----	-----	-----	-----	-----
DG119-1	Mm		VLSQLLGDYDKVKAVSEGSDCQCKCVVRPLGRDACQRINQASRKEDFYTVETITSGSSC					
DG119-1	Hs		VLSQLLGDYDKVKAMSEGSDCQCKCVVRPLGRDACQRINAGASRKEDFYTVETITSGSSC					
DG119-1a	Dr		ILSQLLGDYDKVKALSEGSDCQCKCVVRPLSASACQRIREGHATPDQDFYTVETITSGPHC					
DG119-1b	Dr		ILTQLIGDYDKVKTLESEGSDCQCKCVVRPMSRSACKRIEAAQAKIEDFYTVETVETAGPNC					
DG119-2a	Dr		SQSKIFGE-EQVRMTSEGSDCRCKCIMRPLTRDACARLTGTSVRVEDFYTVETVSSGADC					
DG119-2b	Dr		SLSKIFGEPEPVKMISEGSDCRCKCVMRPLSIEACSRLDGSLRVDDFYTVETVSSGSDC					
DG119-2	Mm		PDSKVFSDDLQVVRMTSEGSDCRCKCIMRPLSKDACSRRVSRGRARVEDFYTVETVSSGADC					
DG119-2	Hs		ADSKVFGDDLQVVRMTSEGSDCRCKCIMRPLSKDACSRRVSRGRARVEDFYTVETVSSGTDG					
			-----Cystein rich domain-----					
			130	140	150	160	170	180
-----	-----	-----	-----	-----	-----	-----	-----	-----
DG119-1	Mm		K-CACVAPPSAVNPCEGDFRLQKLREADSRDLK-----					
DG119-1	Hs		K-CACVAPPSALNPCEGDFRLQKLREADSQDLKVGPGMQCLGREGTFEIHKSGKAMVED					
DG119-1a	Dr		K-CACIAPPSALNPCEGDFRLKKLQKAGKNIK-----					
DG119-1b	Dr		KKACIAPPSALNPCEGDFRFKKLQKTGGYDIK-----					
DG119-2a	Dr		K-CSCTAPPSSSLNPCENEWKREKLKKQAPPELLKIQ-----					
DG119-2b	Dr		K-CSCTAPPSSSLNPCENEWRTKLLKKQAPPELLKLH-----					
DG119-2	Mm		R-CSCTAPPSSSLNPCENEWKMEKLKKQAPPELLKIQ-----					
DG119-2	Hs		R-CSCTAPPSSSLNPCENEWKMEKLKKQAPPELLKS-----					
			-----Cystein rich domain-----					
			190	200	210	220	230	240
-----	-----	-----	-----	-----	-----	-----	-----	-----
DG119-1	Mm		-----SKPFEEGLSHFLTQTFRKAECTYITVLAYIPVYTNVFLTATTSQFLASGFFVEPPLSTIID					
DG119-1	Hs		-----LSTIID					
DG119-1a	Dr		-----LSTILE					
DG119-1b	Dr		-----LSNIMD					
DG119-2a	Dr		-----SMVD					
DG119-2b	Dr		-----SMVD					
DG119-2	Mm		-----SMVD					
DG119-2	Hs		-----					
			250	260	270	280	290	300
-----	-----	-----	-----	-----	-----	-----	-----	-----
DG119-1	Mm		MLEGAFYGLDLLKLHSVTTKLVG-----RVDKLEE					
DG119-1	Hs		MLEGAFYGLDLLKLHSVTTKLVGRVVDKLEEMLEGAFYGLDLLKLHSVTTKLVGRVVDKLEE					
DG119-1a	Dr		LLEGFSFYGMDDLKLHSVTTKILD-----RMDTIEK					
DG119-1b	Dr		LLEGFSFYGMDDLKLHSVTTKILE-----RVDNIEK					
DG119-2a	Dr		LLEGTFLSMDLLKVHYSINKVVS-----QMNNLEE					
DG119-2b	Dr		LLEGTFLYSMDLMKVHVAYMKNVVS-----QMNTLEE					
DG119-2	Mm		LLEGALYSMDLMKVHAYIQKVAS-----QMNTLEE					
DG119-2	Hs		-----					
			310	320	330	340	350	360
-----	-----	-----	-----	-----	-----	-----	-----	-----
DG119-1	Mm		E--VSKNLTKEENEQIKEDVEEIRTELN-KRGKENCSDNTLESMPDIRSALQRDAAA-----					
DG119-1	Hs		E--VSKNLTKEENEQIKEDMEERTEMN-KRGKENCSENIILDSMPDIRSALQRDAAA-----					
DG119-1a	Dr		M--VLNNQTEEKLTNTISTSPNP-----QLSTSS-----PTTLPVSIQEKST-----					
DG119-1b	Dr		S--FSGNLTKEKVSVKGEKGQG-----KGARSNQRQEKKKRLSVLEPSLQKNAAA-----					
DG119-2a	Dr		-----					
DG119-2								

Fig. 7 (cont.)

9/19

			790	800	810	820	830	840
DG119-1	Mm		----- ----- ----- ----- -----					
DG119-1	Hs		FKQGRWSNSYKLPYSWIGTGHVVYNGAFYYNRAFTRNIIKYDLKQRYVAAWAMLHADVAYE					
DG119-1a	Dr		FKQGRWSNSYKLPYSWIGTGHVVYNGAFYYNRAFTRNIIKYDLKQRYVAAWAMLHADVAYE					
DG119-1b	Dr		FKQGRFTNSYKLPYNWIGTGHVVYKGAFFYYNRAFSRDIIFDLRLRYVAAWTMLHDAVFE					
DG119-2a	Dr		FKQGGQVSNSYKLPYNWIGTGHVVYSGSFFYYNRAFSRDIIRFDLRLRYVAAWTMLHDAILE					
DG119-2b	Dr		----- ----- ----- ----- -----					
DG119-2	Mm		FKQGRWSNMYKLPYNWIGTGHVVYQGAFFYYNRAFTKNIIKYDLRQRFVASWALLPDVVYE					
DG119-2	Hs		FKQGRWSNMYKLPYNWIGTGHVVYQGAFFYYNRAFTKNIIKYDLRQRFVASWALLPDVVYE					
			----- ----- ----- ----- -----					
			Olfactomedin-like domain					
			----- ----- ----- ----- -----					
			850	860	870	880	890	900
DG119-1	Mm		--EATPWRWQGHSDVDFAVDENGWLVIYPALDD-EGFNQEVIVLSKLNADVLSTQKETT					
DG119-1	Hs		--EATPWRWQGHSDVDFAVDENGWLVIYPALDD-EGFSQEVIVLSKLNADVLSTQKETT					
DG119-1a	Dr		NDDVSSWRWRGNSDMDLAIDESGLWVIYPALDD-EGFLQEVIVLSRLNPTDLSMKRETT					
DG119-1b	Dr		-EEEAPWTWGGHSDIDFVDESGLWLVYPALDD-EGFHQEVIIISKLRSADL--QKEKSW					
DG119-2a	Dr		----- ----- ----- ----- -----					
DG119-2b	Dr		----- ----- ----- ----- -----					
DG119-2	Mm		--DTPPWKWRGHSIDFVDESGLWVIYPVDEHDETQHEVIVLSRLDPADLSVHRETT					
DG119-2	Hs		--DTPPWKWRGHSIDFVDESGLWVIYPVDDRDEAQPEVIVLSRLDPADLSVHRETT					
			----- ----- ----- ----- -----					
			Olfactomedin-like domain					
			----- ----- ----- ----- -----					
			910	920	930	940	950	960
DG119-1	Mm		RTGLRRNRYGNCFFVLCGVLYAVDSYNQNRNANISYAFDTHNTQIVPRLLFENEYSYTTQI					
DG119-1	Hs		RTGLRRNRYGNCFFVLCGVLYAVDSYNQNRNANISYAFDTHNTQIVPRLLFENEYSYTTQI					
DG119-1a	Dr		RTGLRRNRYGNCFFVLCGVLYATDSYNQDNTNLSYAFDTHNTQIVPHLPFSNNYTYVTQI					
DG119-1b	Dr		RTGLRRNRYGNCFFVLCGVLYAVDSFERTHANISYAFDTHHTQMIPLPFINNYTYTTQI					
DG119-2a	Dr		----- ----- ----- ----- -----					
DG119-2b	Dr		----- ----- ----- ----- -----					
DG119-2	Mm		KTRLRRNSYGNCFVLCGILYVDTYNQHEGQVAYAFDTHGTDAHPQLPFLNEYSYTTQV					
DG119-2	Hs		KTRLRRNSYGNCFVLCGILYAVDTYNQHEGQVAYAFDTHGTDAHPQLPFLNEHAYTTQI					
			----- ----- ----- ----- -----					
			Olfactomedin-like domain					
			----- ----- ----- ----- -----					
			970	980	990	1000	1010	1020
DG119-1	Mm		DYNPKDRLLYAWDNGHQVTYHVIFAY					
DG119-1	Hs		DYNPKDRLLYAWDNGHQVTYHVIFAY					
DG119-1a	Dr		DYNPKERVLYAWDNGHQVTYNVQFAY					
DG119-1b	Dr		DYNPKERMLYAWDNGHQVTYDVIF--					
DG119-2a	Dr		----- ----- ----- ----- -----					
DG119-2b	Dr		----- ----- ----- ----- -----					
DG119-2	Mm		DYNPKERVLYAWDNGHQVTYTLHFVV					
DG119-2	Hs		DYNPKERVLYAWDNGHQVTYTLHFVV					
			Olfactomedin-like dom.---					

Fig. 7 (cont.)

10/19

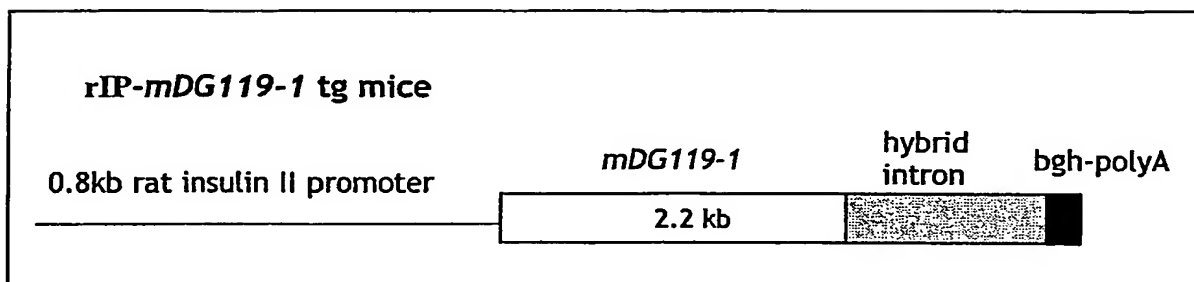


Fig. 8A

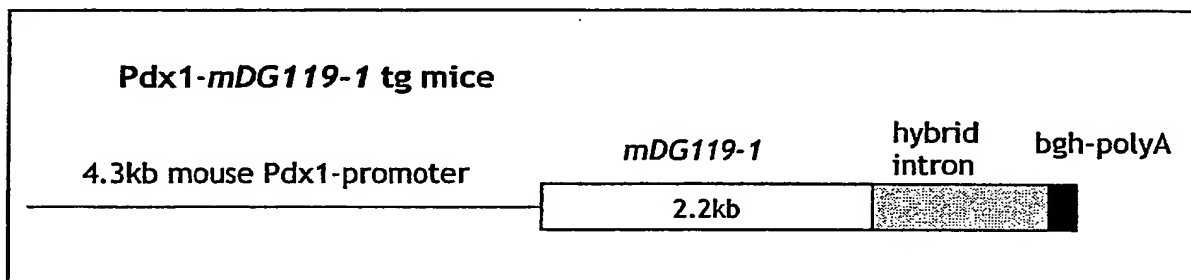


Fig. 8B

11/19

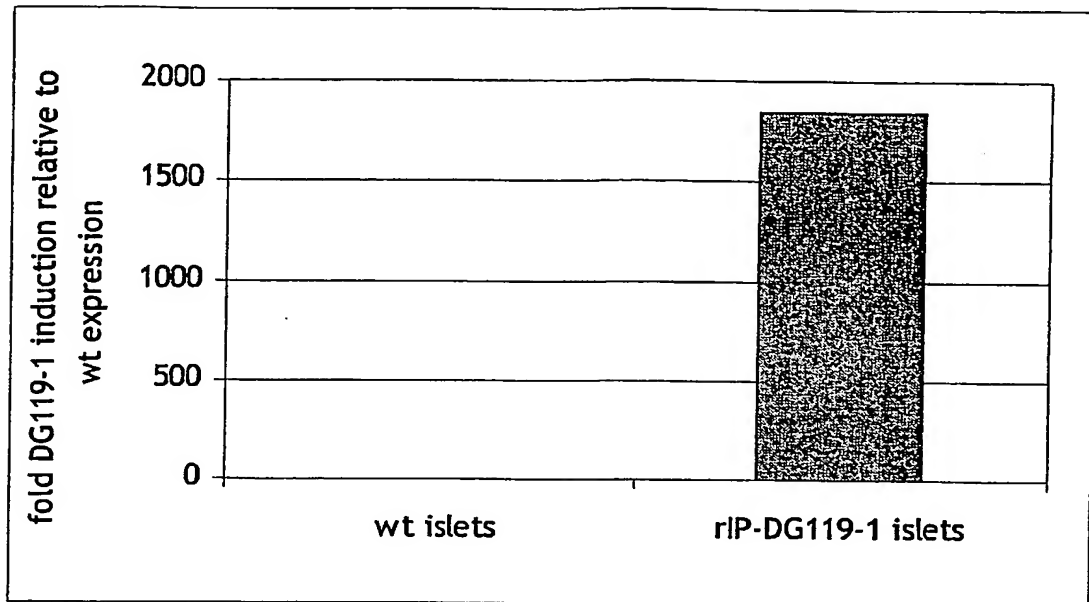


Fig. 9A

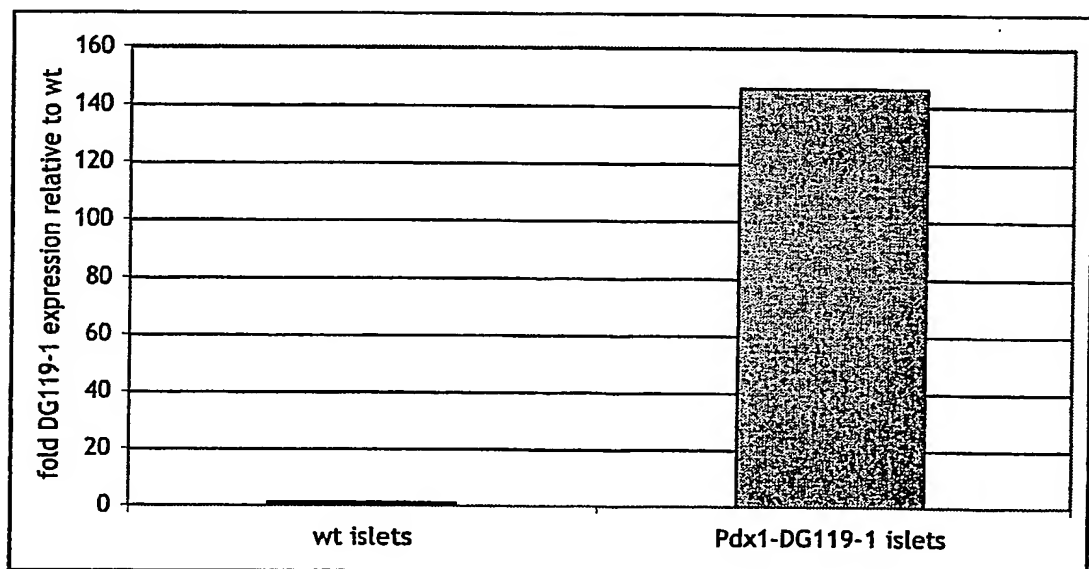


Fig. 9B

12/19

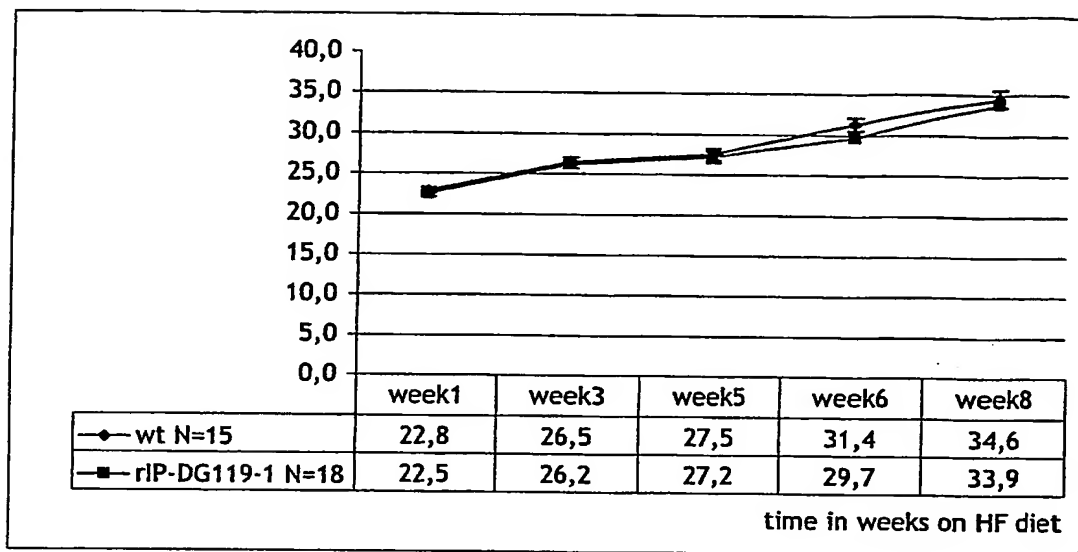


Fig. 10A

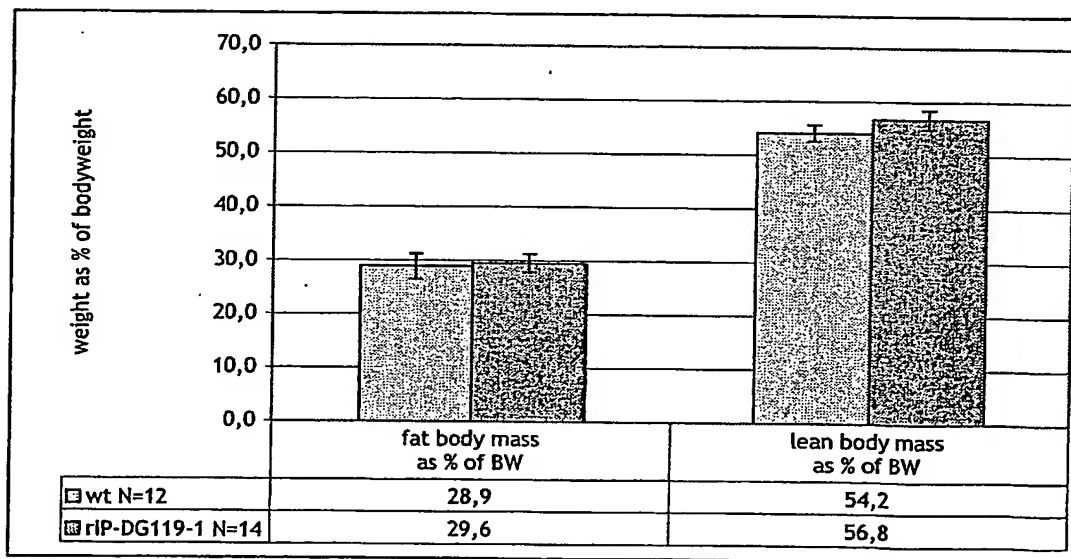


Fig. 10B

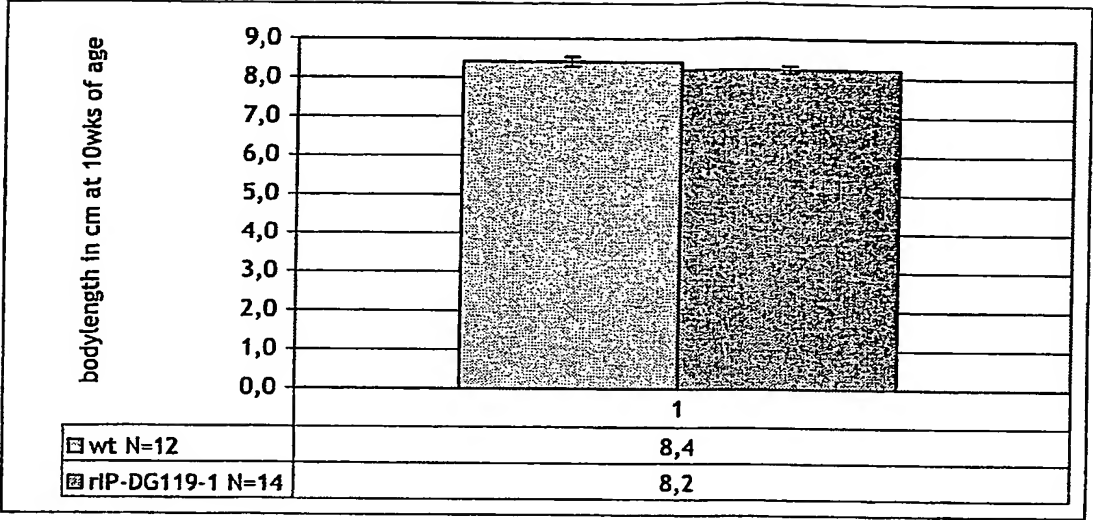


Fig. 11

14/19

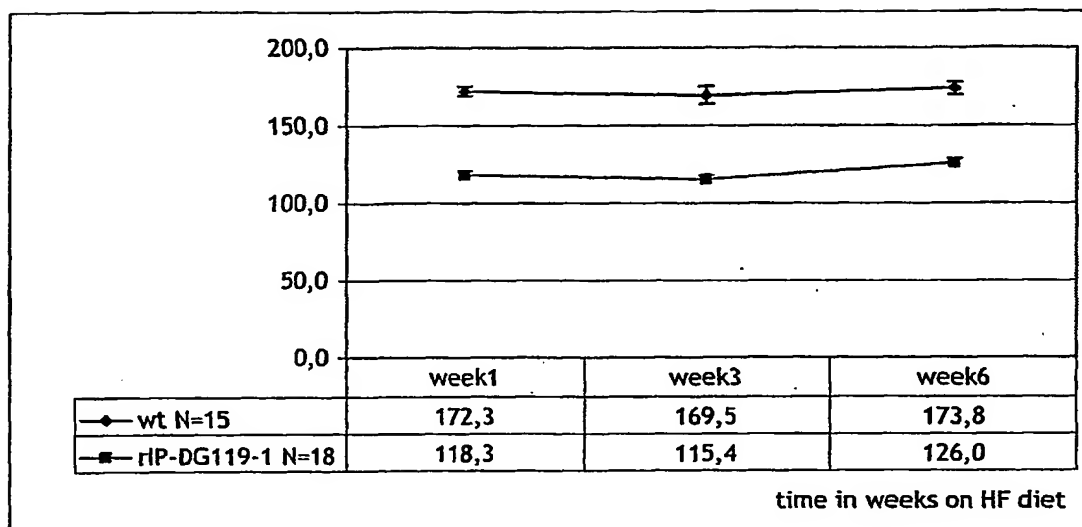


Fig. 12A

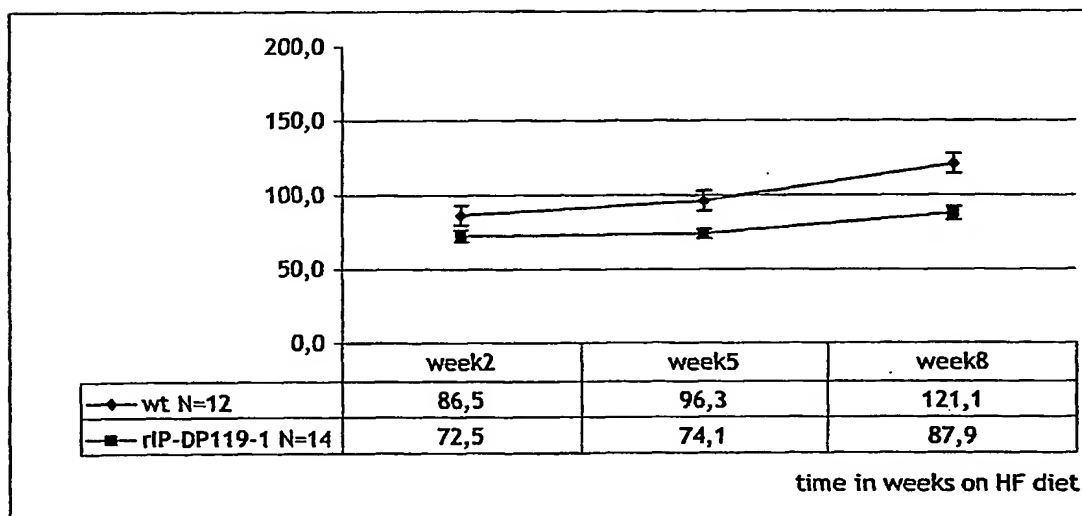


Fig. 12B

15/19

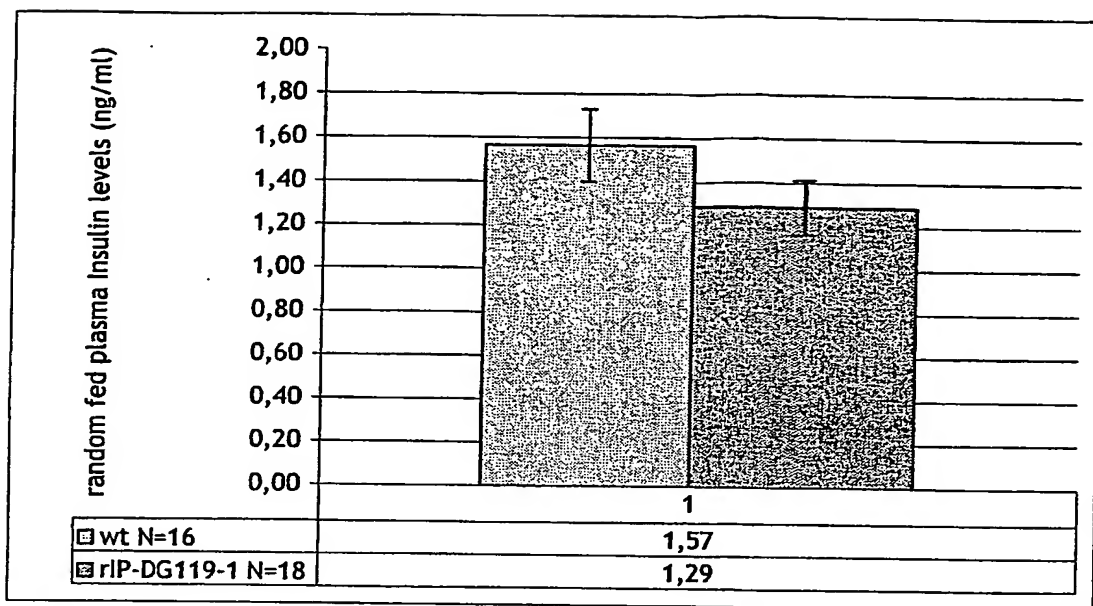


Fig. 13A

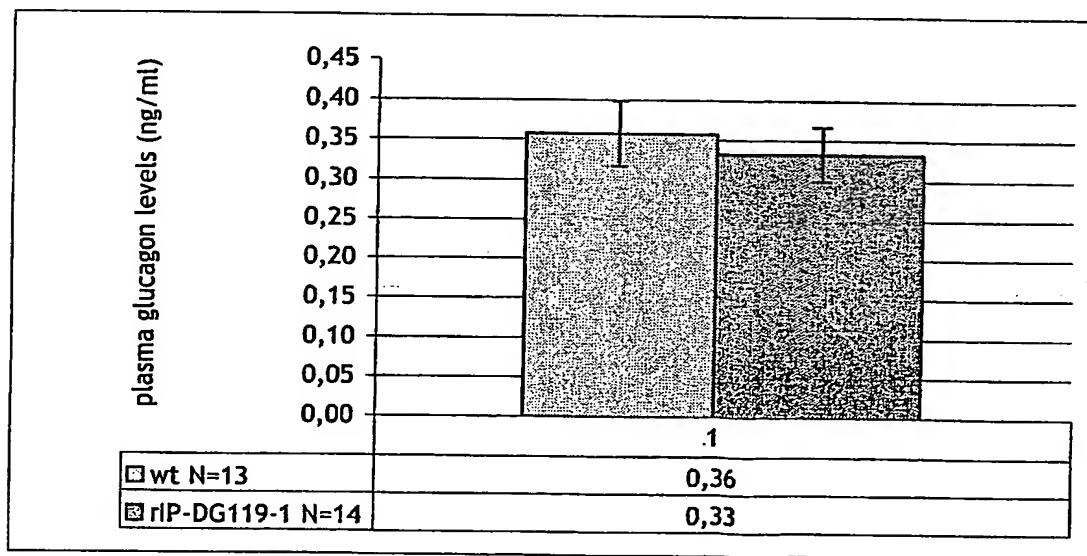


Fig. 13B

16/19

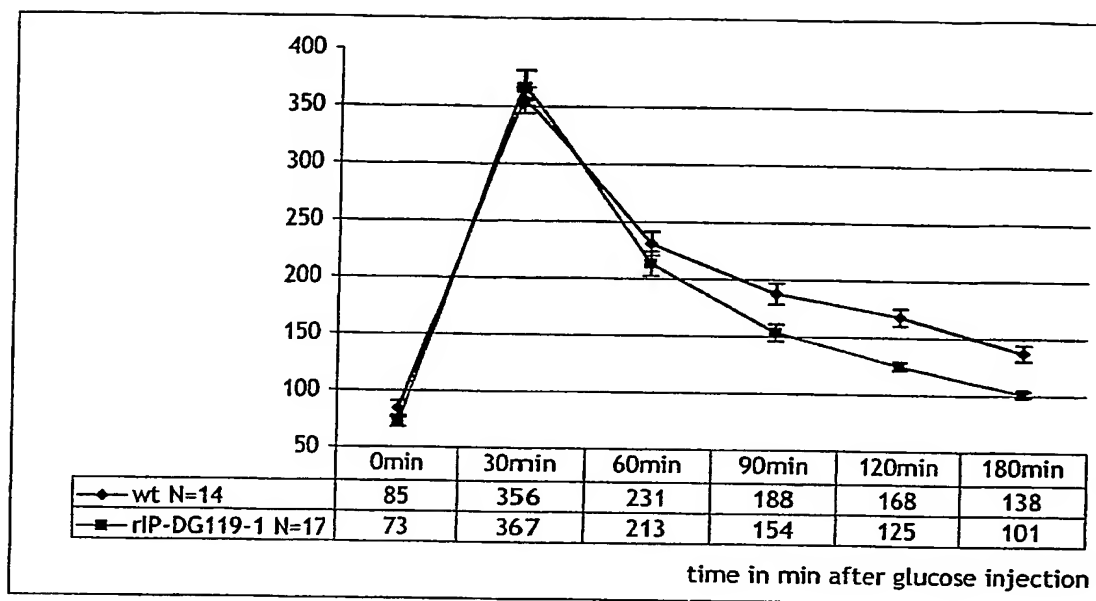


Fig. 14A

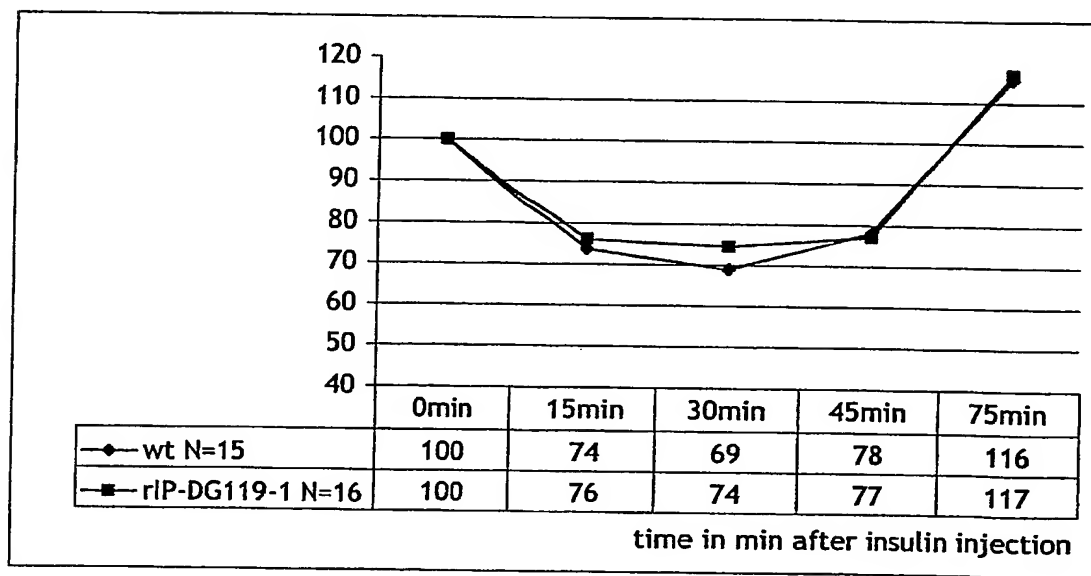


Fig. 14B

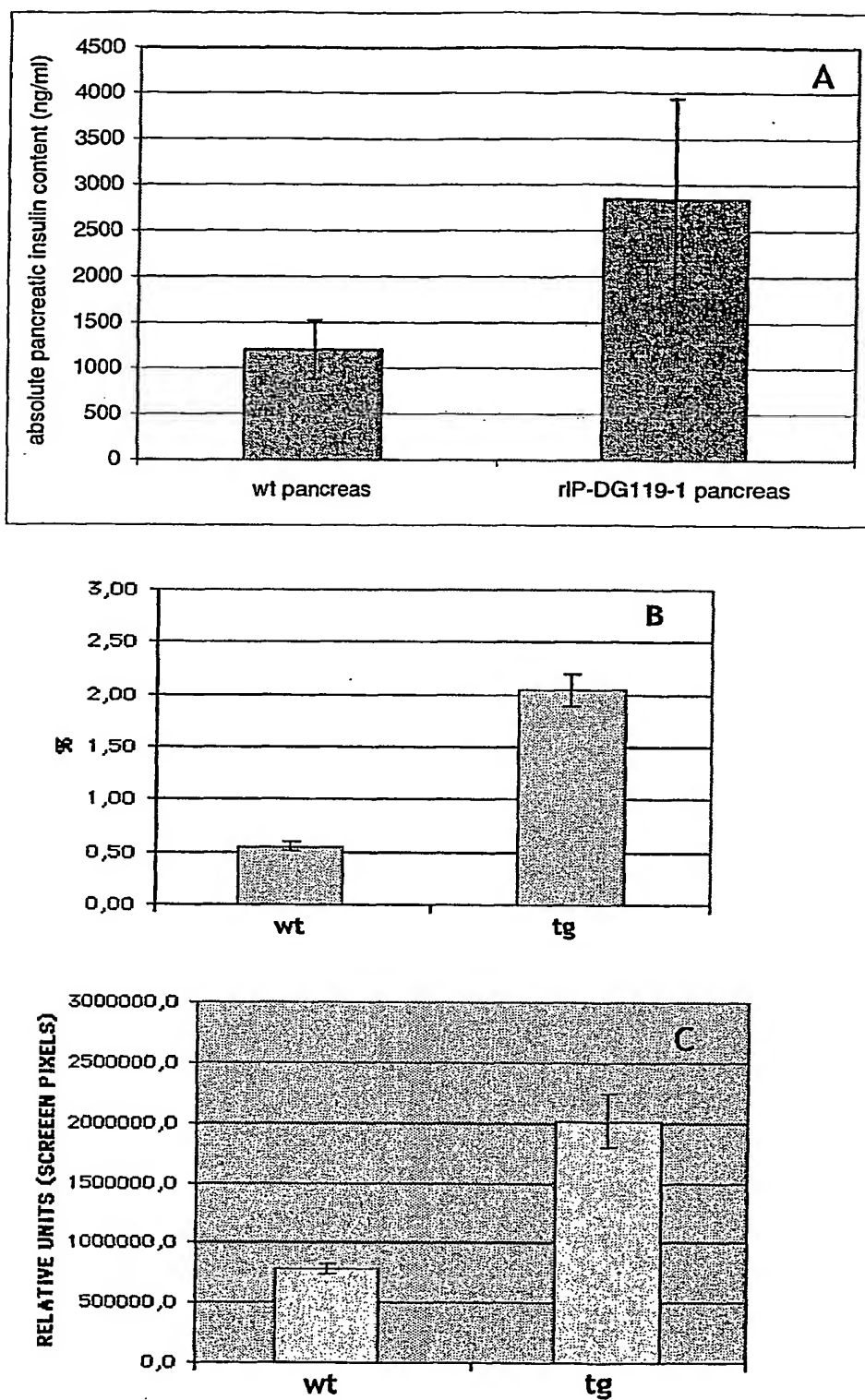


Fig. 15

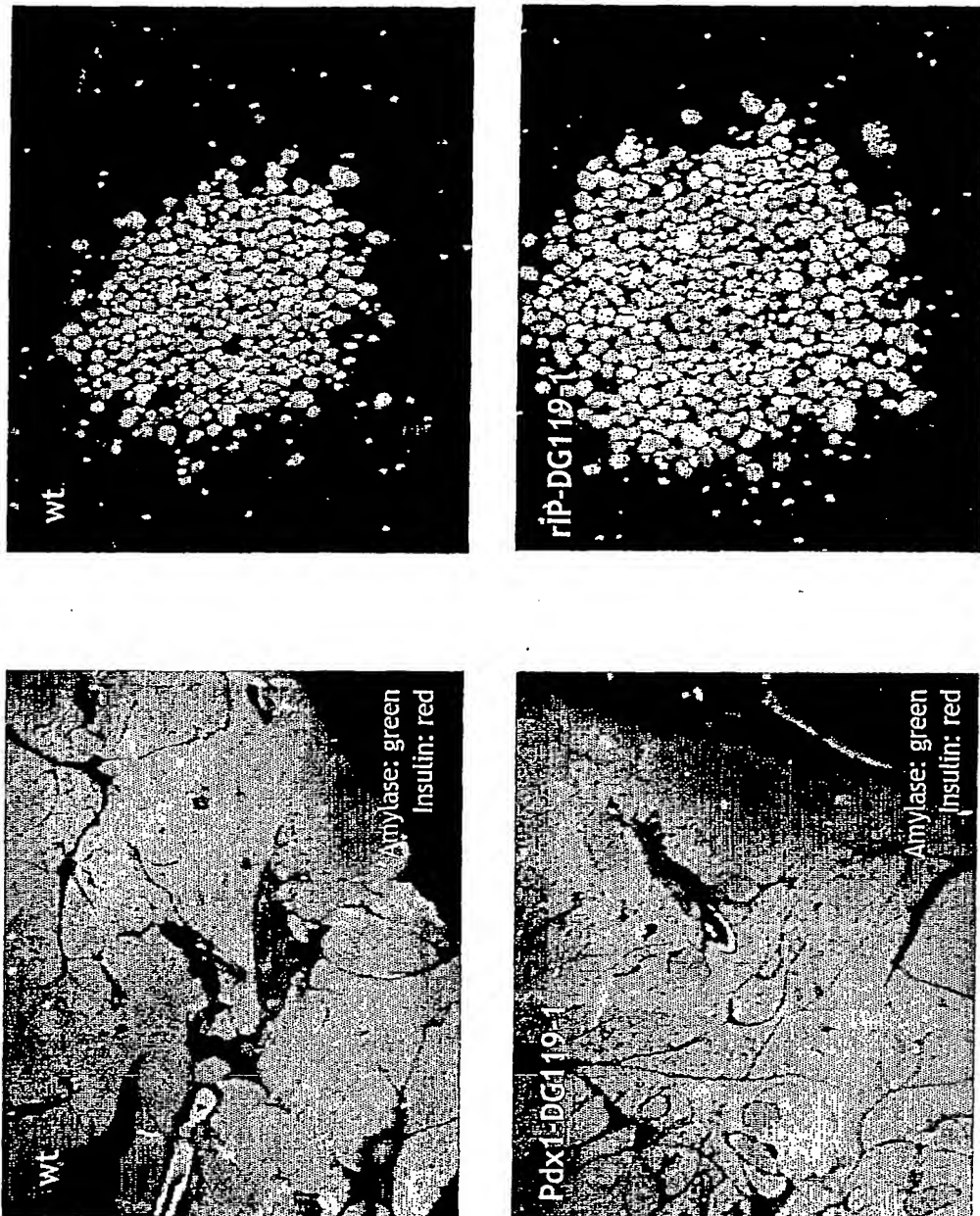


Fig. 16

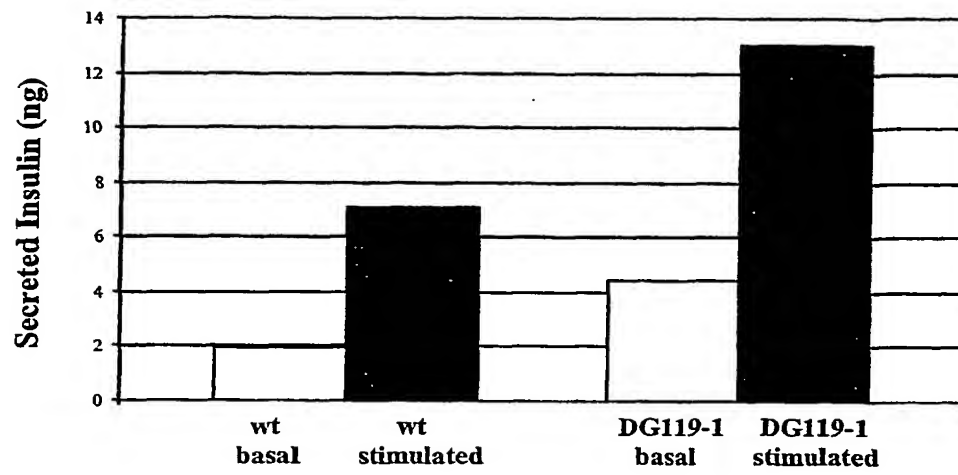


Fig. 17

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